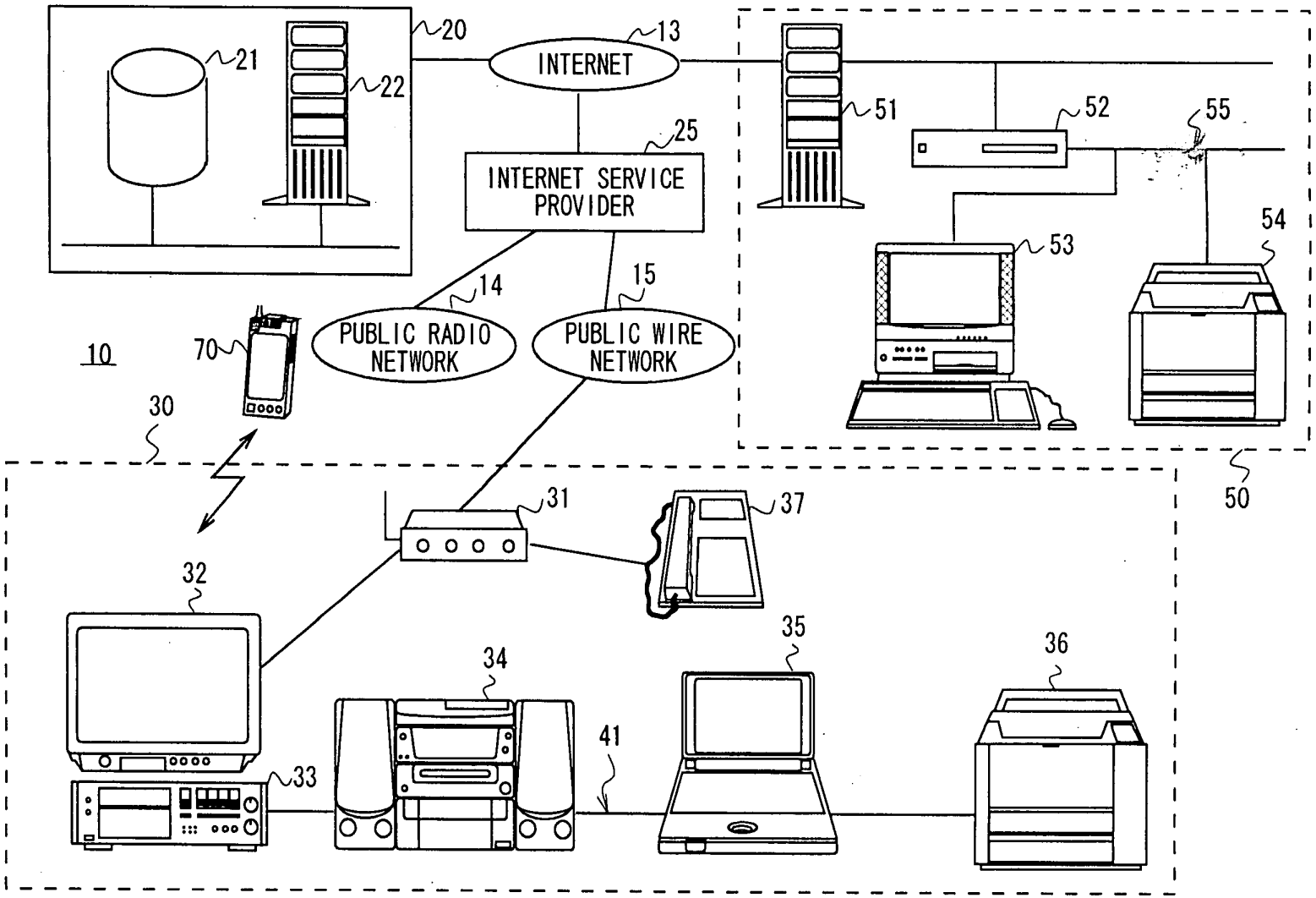

20
21
22
13
INTERNET
25
INTERNET SERVICE PROVIDER
51
52
55
53
54
14
15
PUBLIC RADIO NETWORK
PUBLIC WIRE NETWORK
10
70
30
50
31
37
32
35
36
34
41
33

FIG. 1

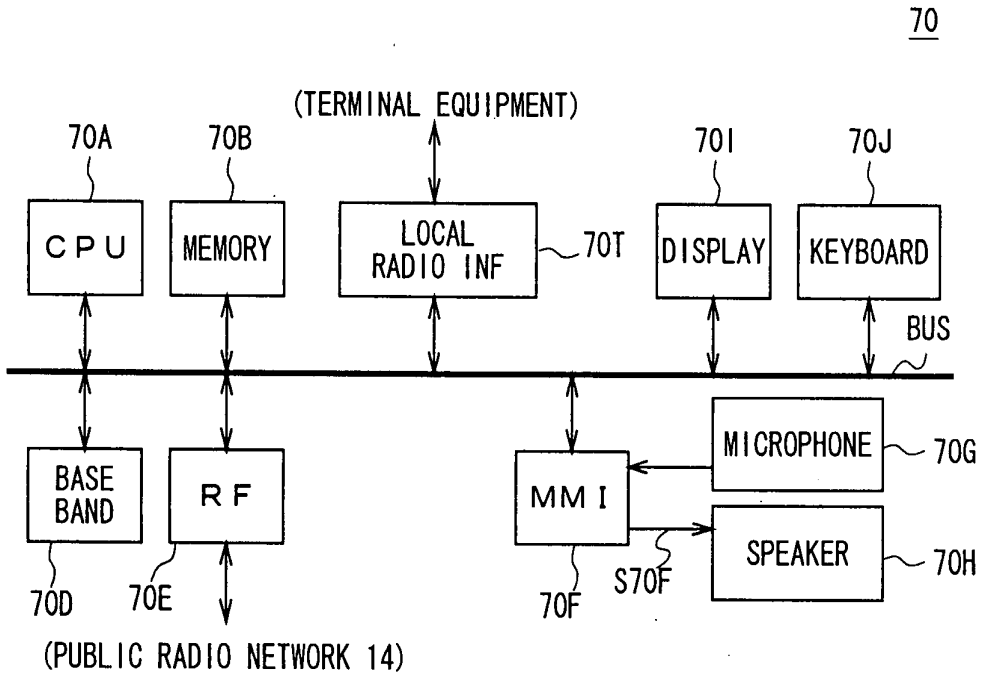


FIG. 2

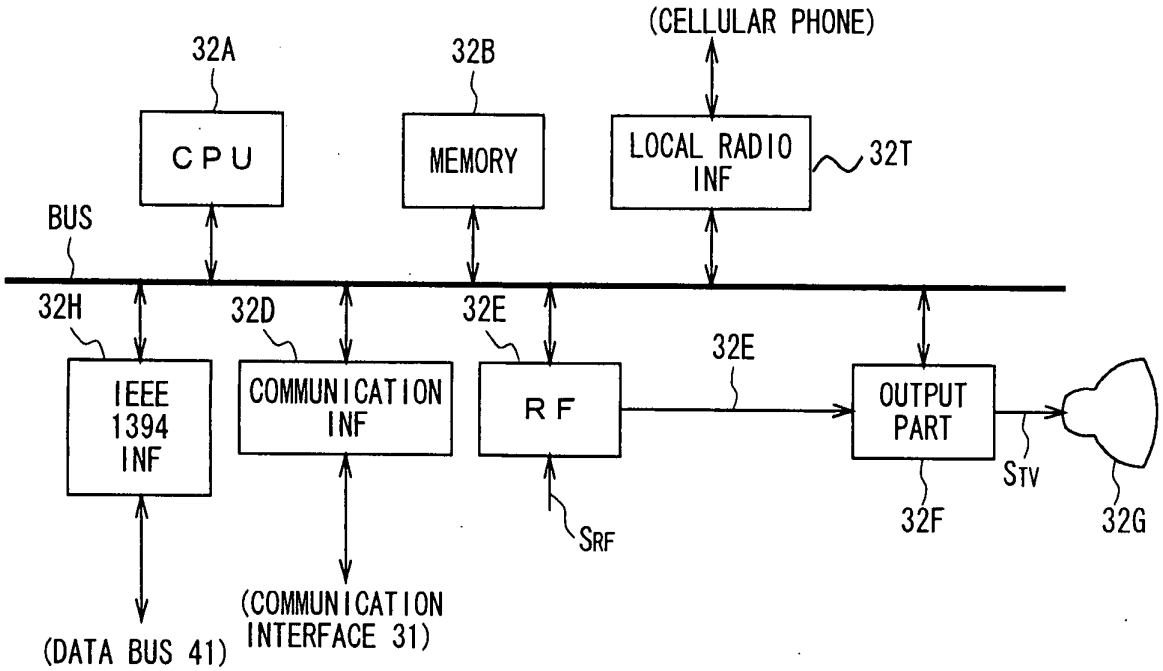


FIG. 3

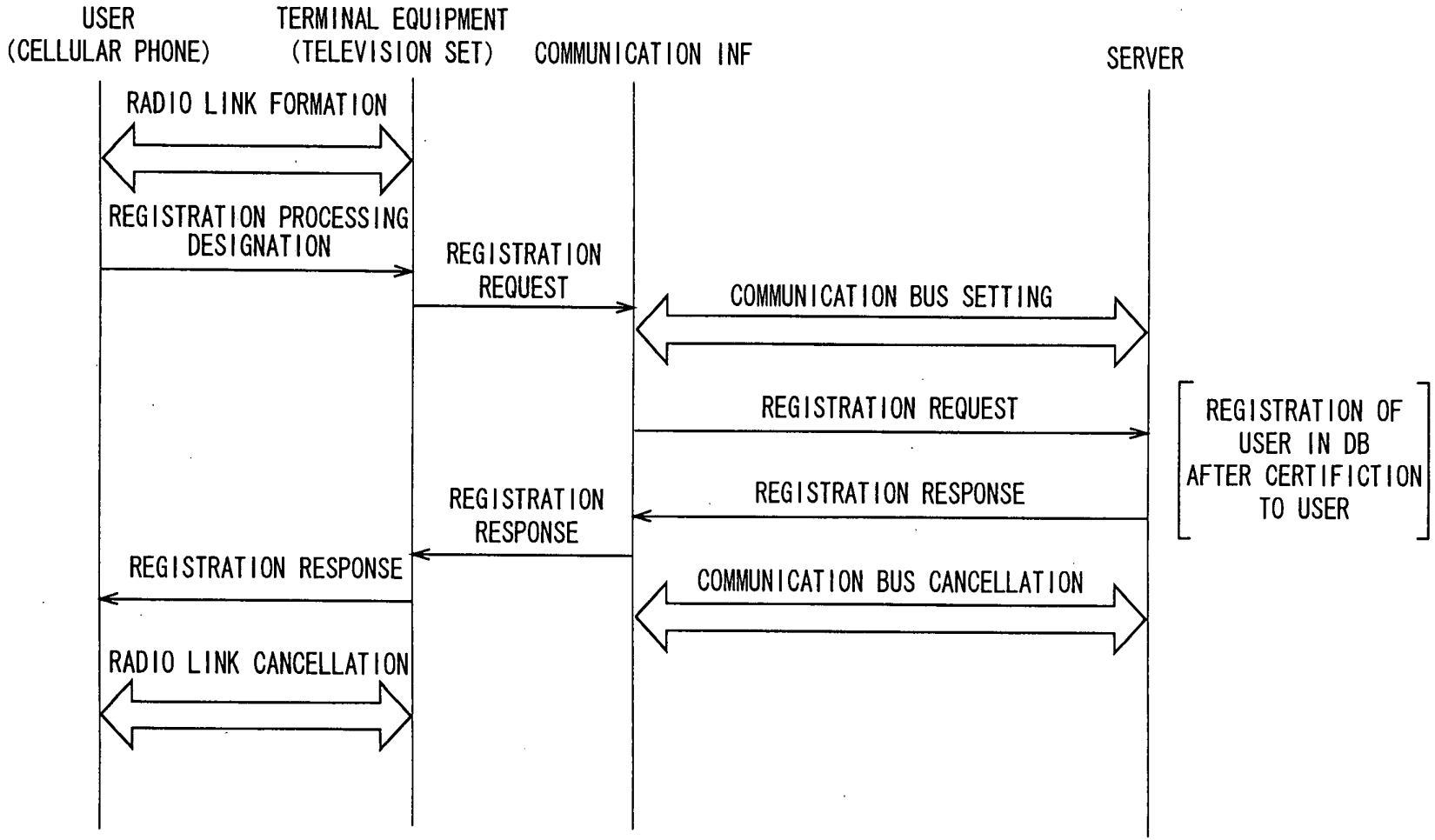

USER
(CELLULAR PHONE)
TERMINAL EQUIPMENT
(TELEVISION SET)
COMMUNICATION INF
SERVER
RADIO LINK FORMATION
REGISTRATION PROCESSING DESIGNATION
REGISTRATION REQUEST
COMMUNICATION BUS SETTING
REGISTRATION REQUEST
REGISTRATION OF USER IN DB AFTER CERTIFICTION TO USER
REGISTRATION RESPONSE
REGISTRATION RESPONSE
REGISTRATION RESPONSE
COMMUNICATION BUS CANCELLATION
RADIO LINK CANCELLATION

FIG. 4

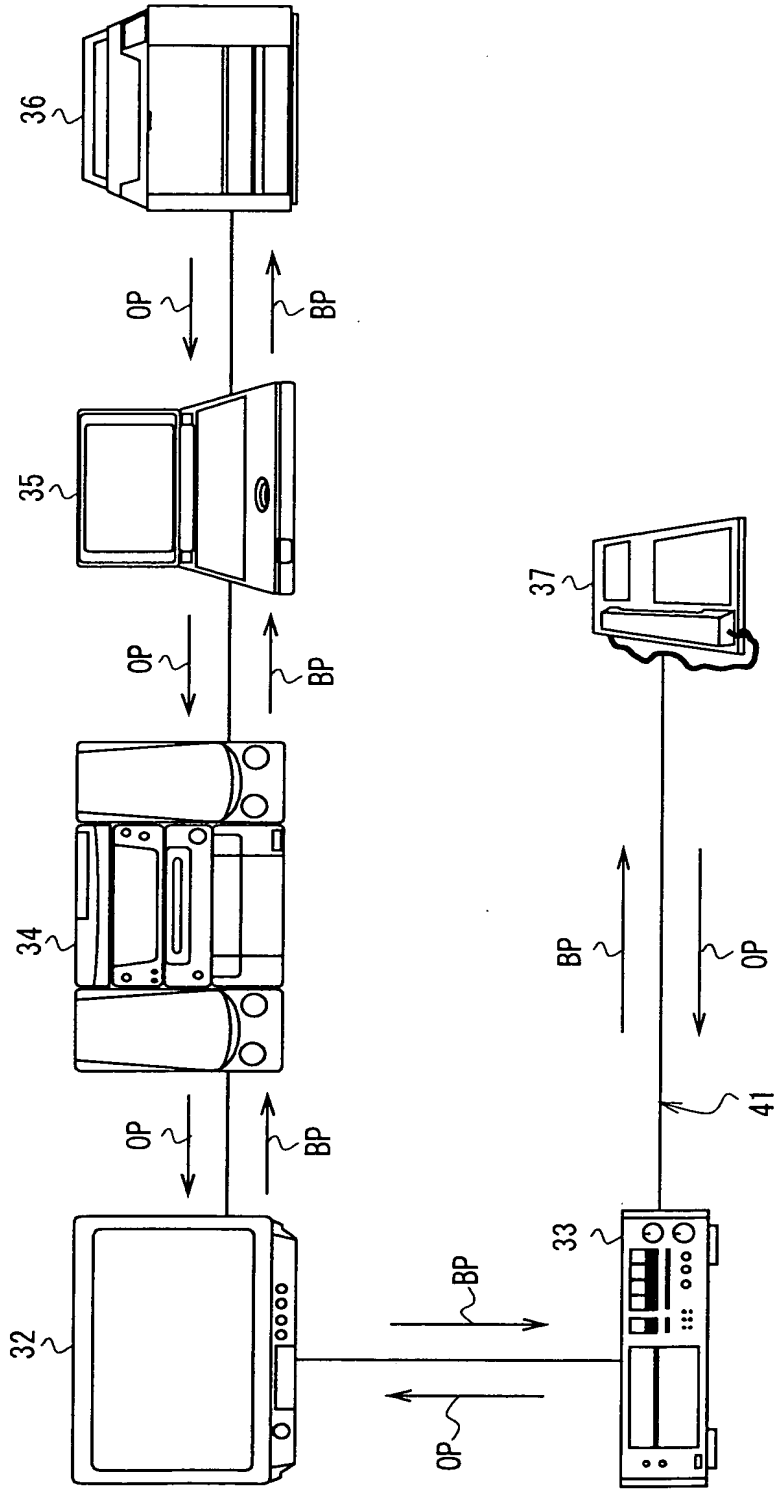


FIG. 5

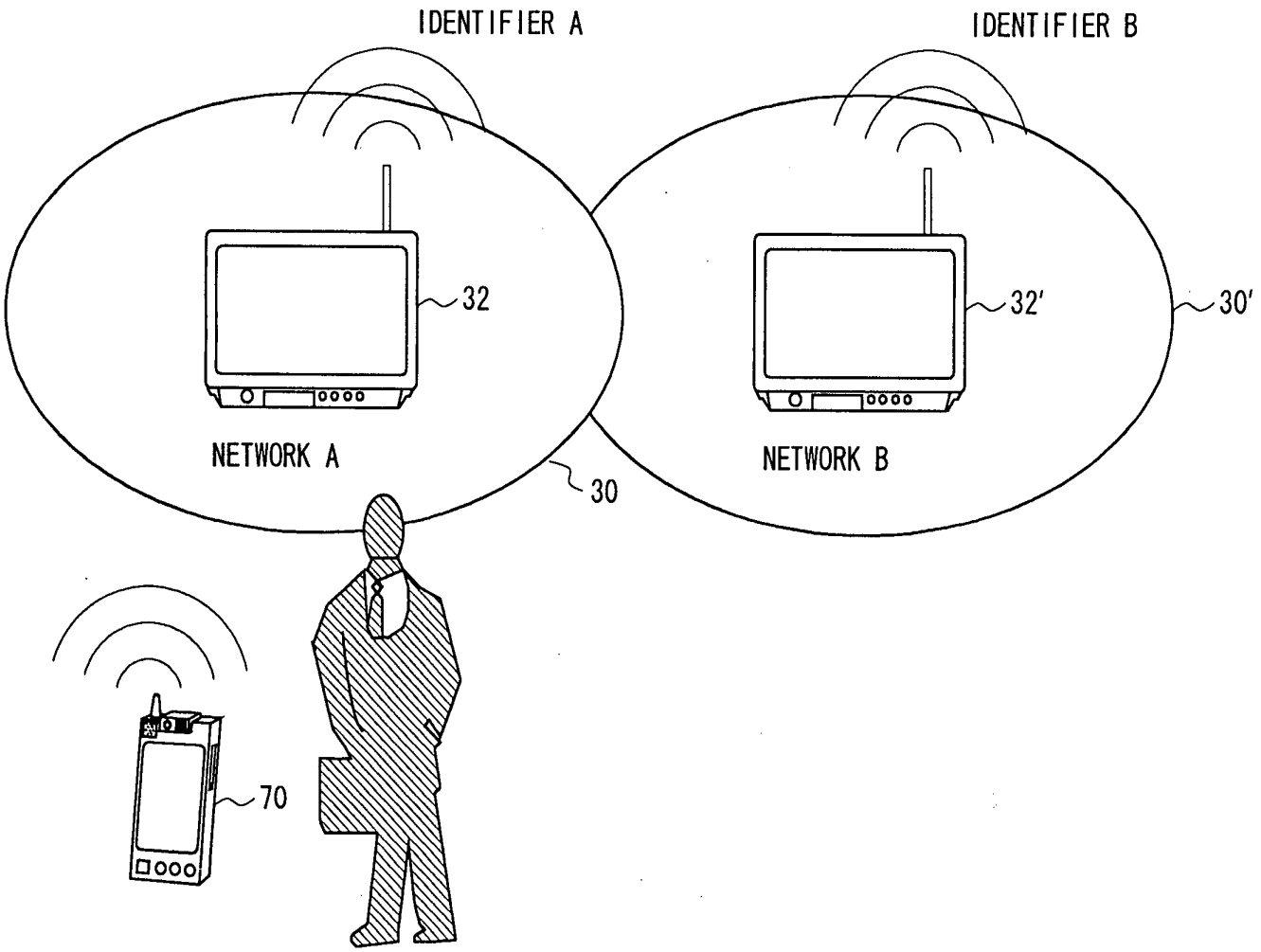


FIG. 6

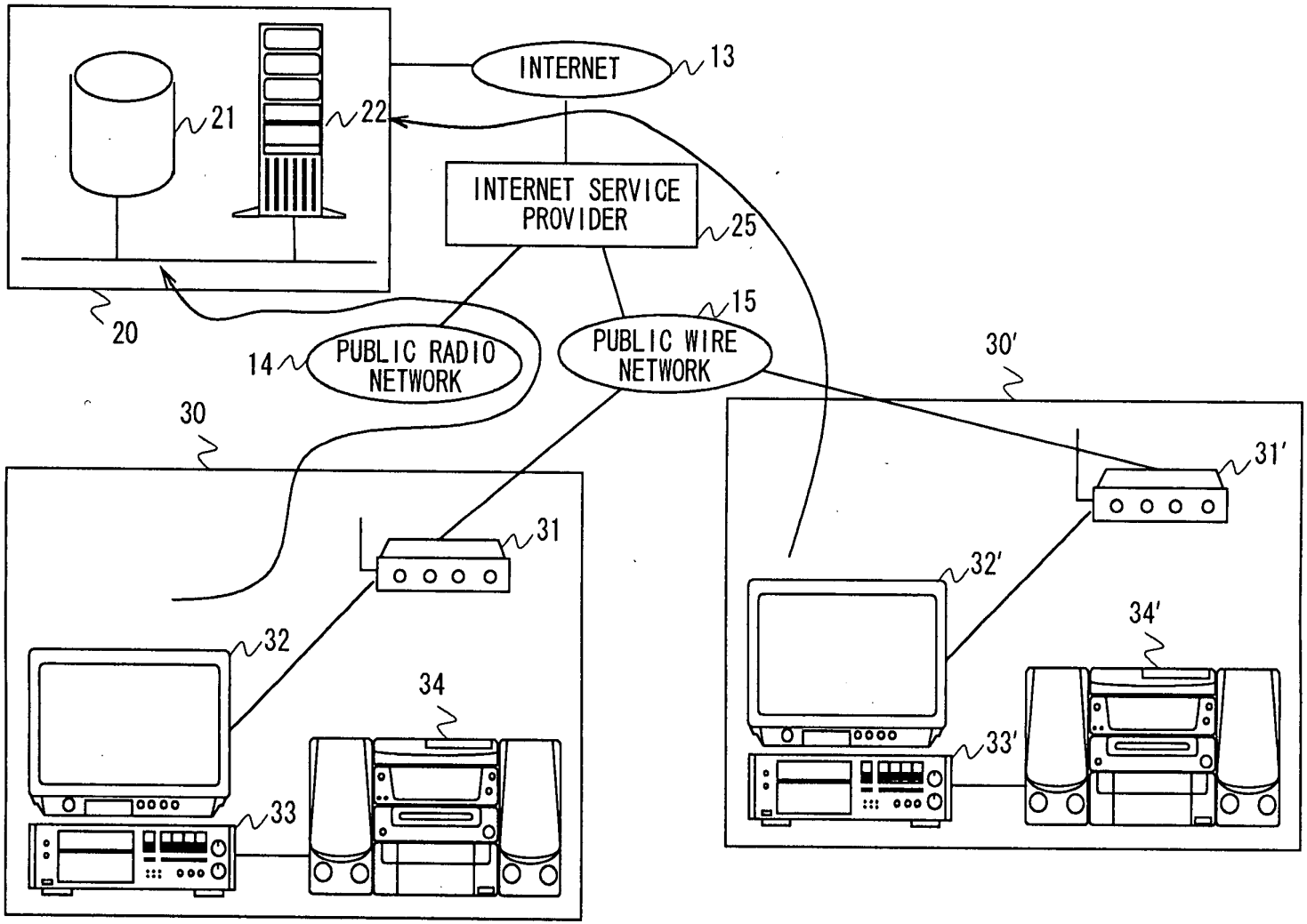


FIG. 7

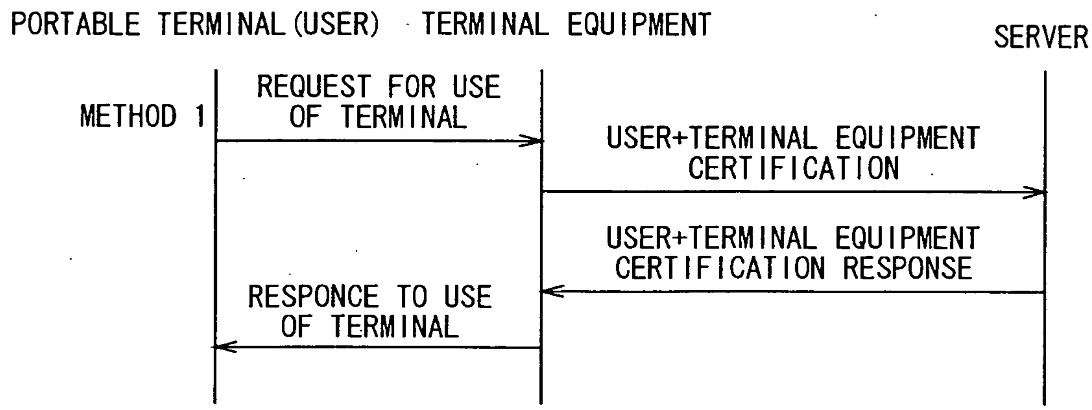

PORTABLE TERMINAL (USER)
TERMINAL EQUIPMENT
SERVER
METHOD 1
REQUEST FOR USE OF TERMINAL
USER+TERMINAL EQUIPMENT CERTIFICATION
USER+TERMINAL EQUIPMENT CERTIFICATION RESPONSE
RESPONCE TO USE OF TERMINAL

FIG. 8A

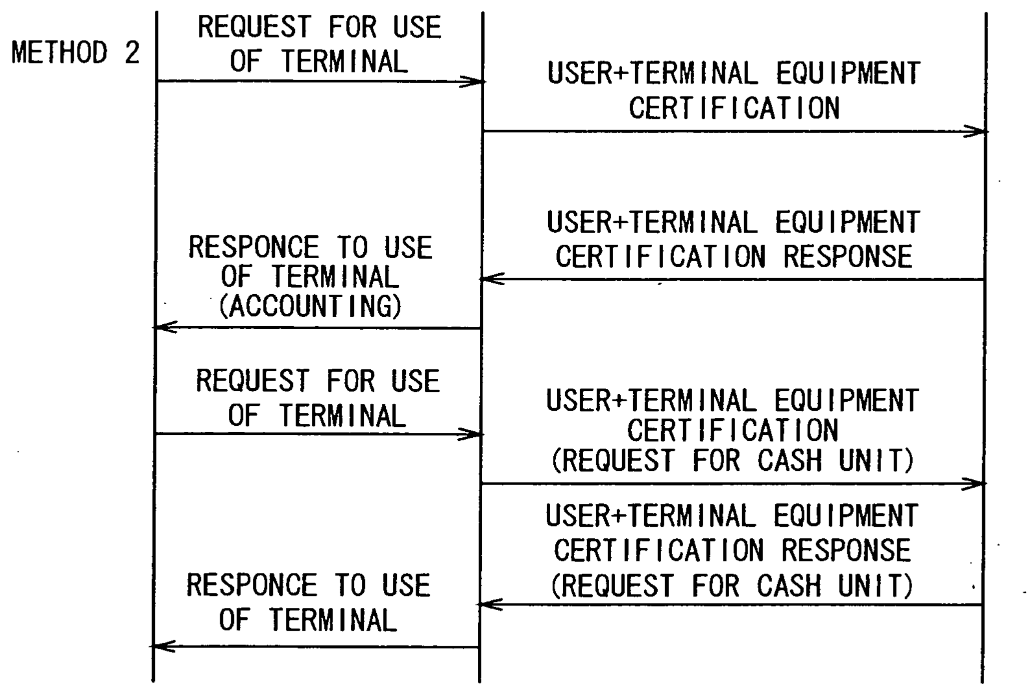
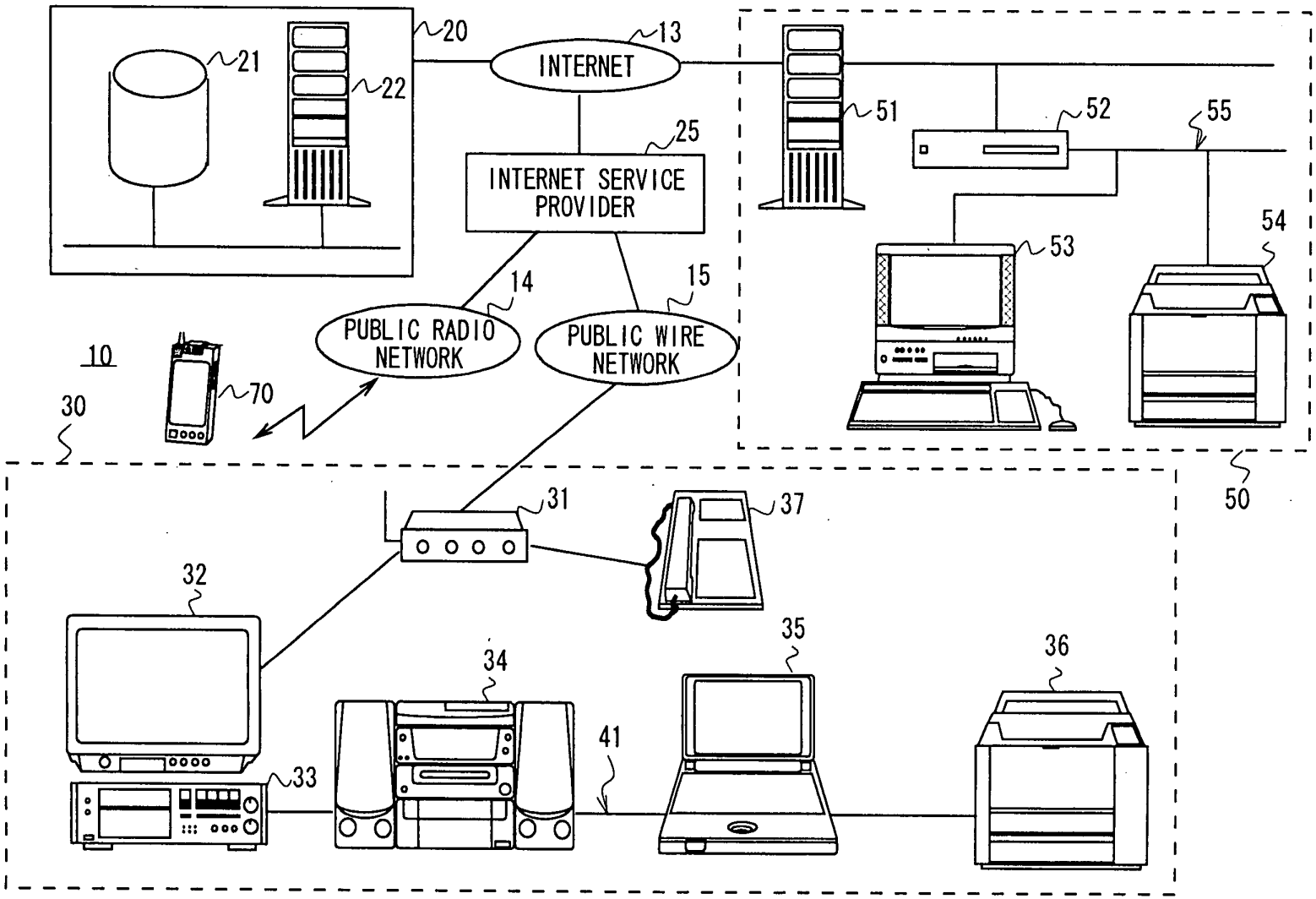

METHOD 2
REQUEST FOR USE OF TERMINAL
USER+TERMINAL EQUIPMENT CERTIFICATION
USER+TERMINAL EQUIPMENT CERTIFICATION RESPONSE
RESPONCE TO USE OF TERMINAL (ACCOUNTING)
REQUEST FOR USE OF TERMINAL
USER+TERMINAL EQUIPMENT CERTIFICATION (REQUEST FOR CASH UNIT)
USER+TERMINAL EQUIPMENT CERTIFICATION RESPONSE (REQUEST FOR CASH UNIT)
RESPONCE TO USE OF TERMINAL

FIG. 8B


20
21
22
13
INTERNET
25
INTERNET SERVICE PROVIDER
51
52
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53
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14
15
PUBLIC RADIO NETWORK
PUBLIC WIRE NETWORK
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70
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41
33

FIG. 9

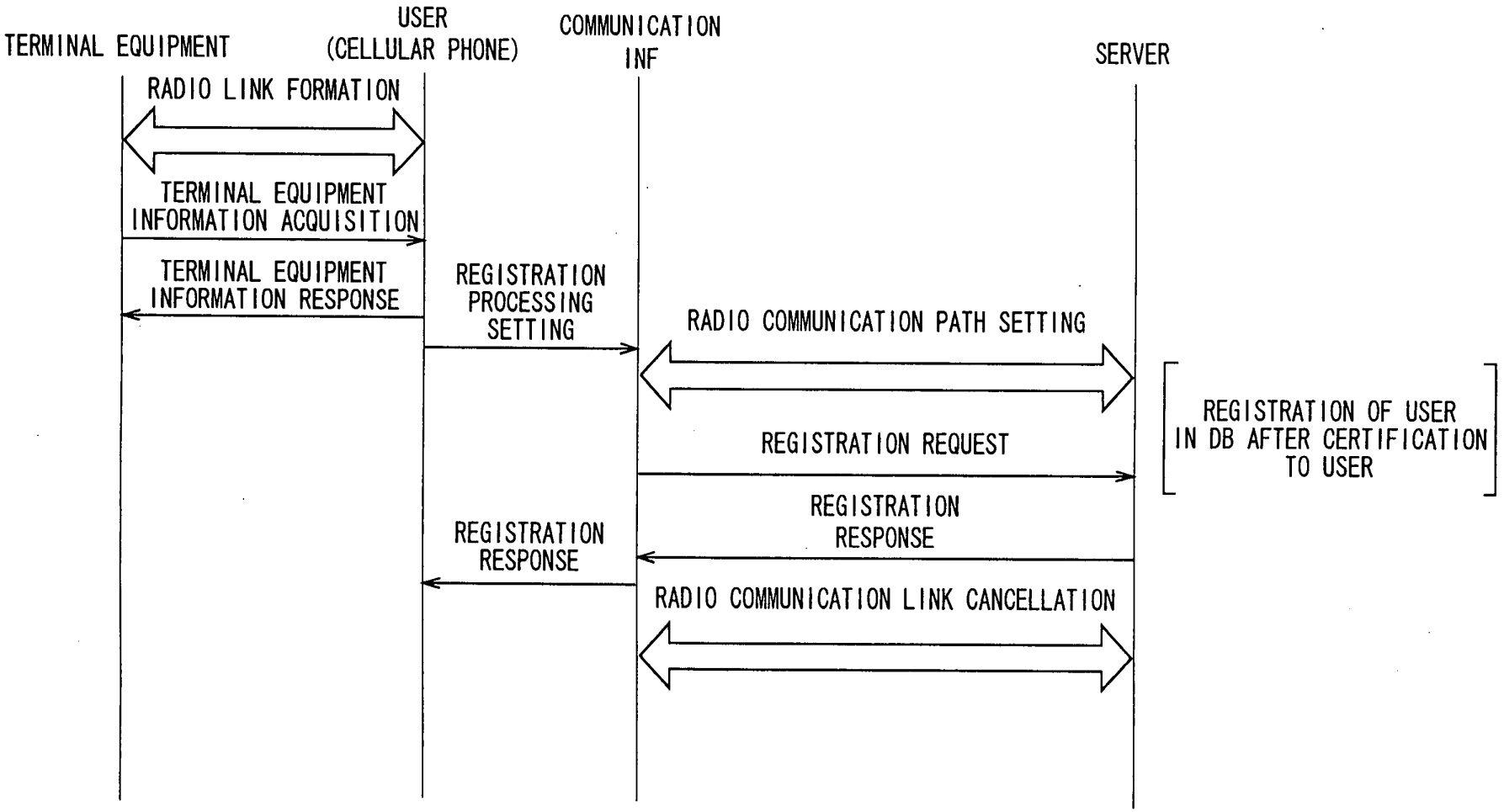

TERMINAL EQUIPMENT
USER
(CELLULAR PHONE)
COMMUNICATION
INF
SERVER
RADIO LINK FORMATION
TERMINAL EQUIPMENT
INFORMATION ACQUISITION
TERMINAL EQUIPMENT
INFORMATION RESPONSE
REGISTRATION
PROCESSING
SETTING
RADIO COMMUNICATION PATH SETTING
REGISTRATION OF USER
IN DB AFTER CERTIFICATION
TO USER
REGISTRATION REQUEST
REGISTRATION
RESPONSE
REGISTRATION
RESPONSE
RADIO COMMUNICATION LINK CANCELLATION

FIG. 10

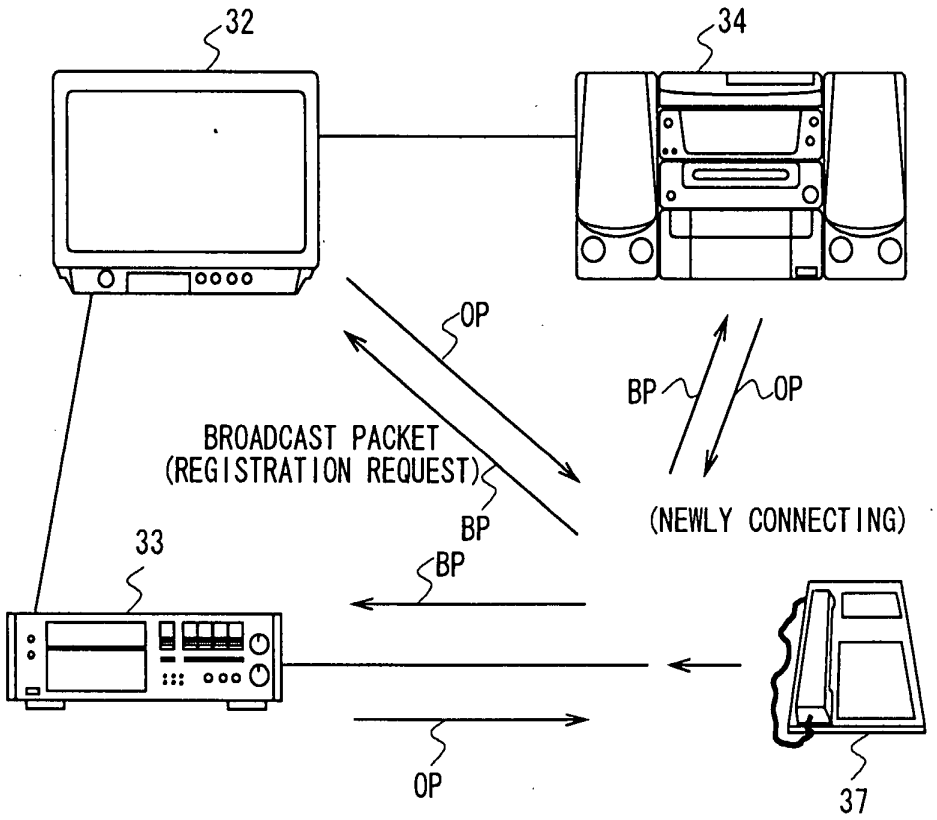


FIG. 11

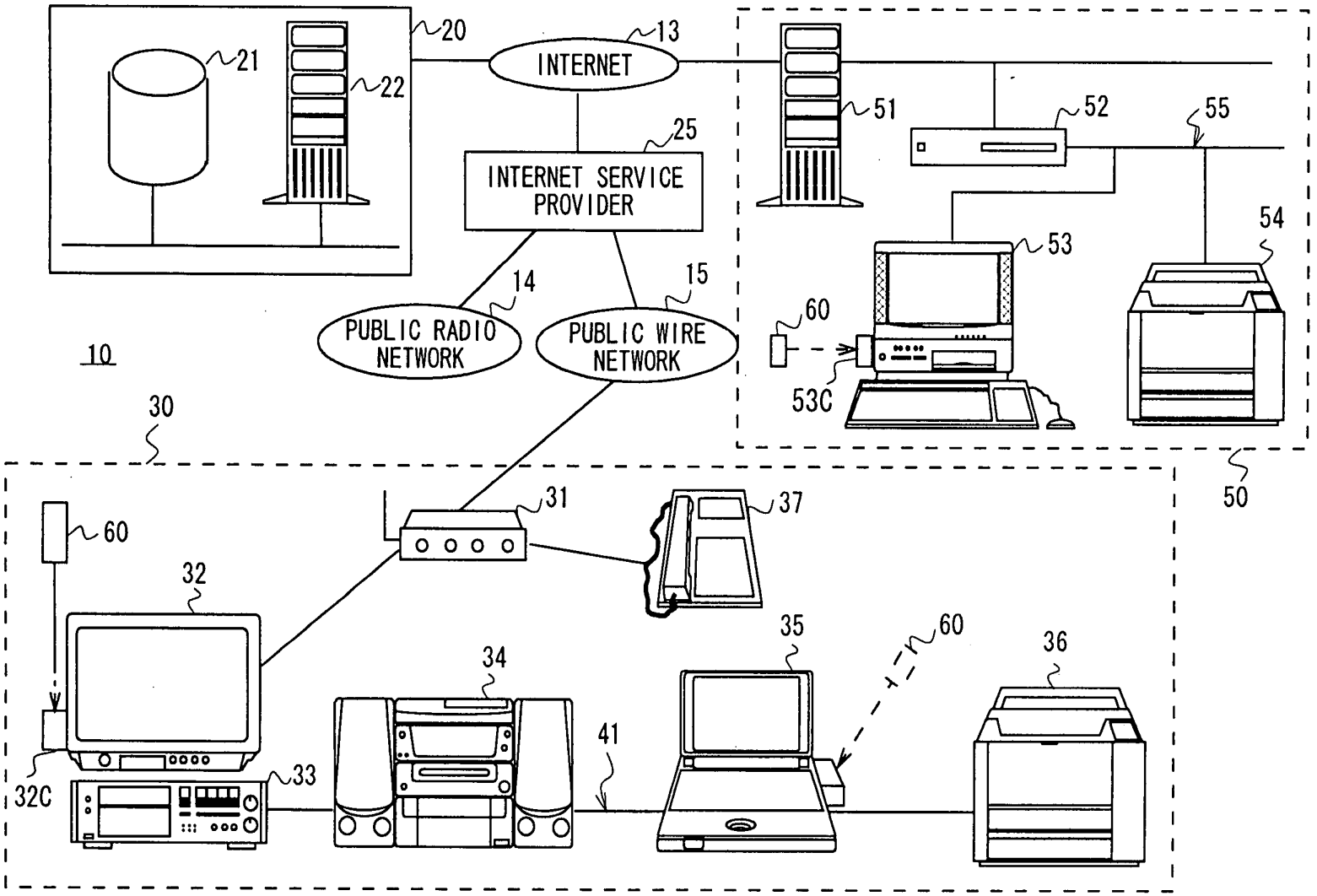

20
21
22
13
INTERNET
25
INTERNET SERVICE PROVIDER
14
15
PUBLIC RADIO NETWORK
PUBLIC WIRE NETWORK
10
30
51
52
55
54
53
60
53C
50
31
37
60
32
35
60
36
34
41
32C
33

FIG. 12

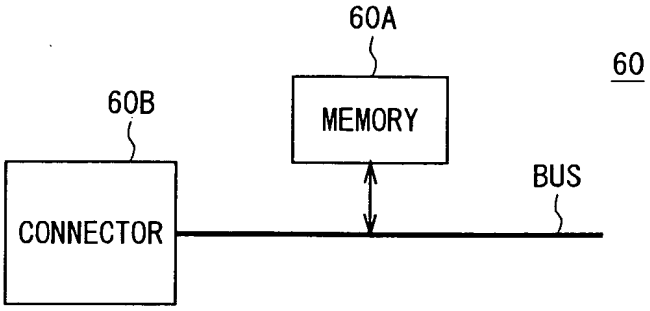

60A
60
60B
MEMORY
BUS
CONNECTOR

FIG. 13

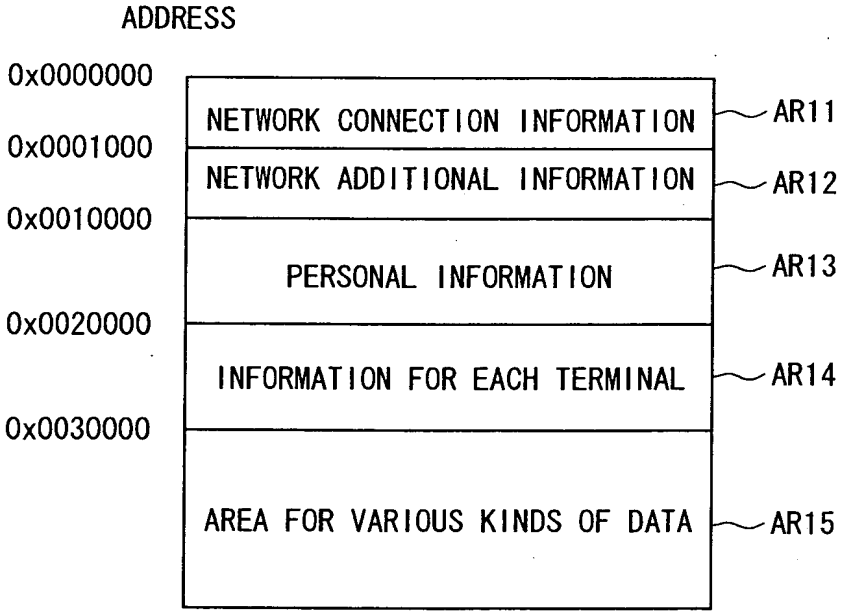
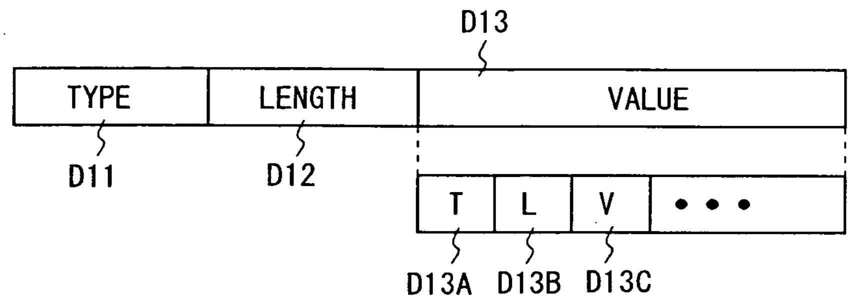

ADDRESS
0x0000000
NETWORK CONNECTION INFORMATION
AR11
0x0001000
NETWORK ADDITIONAL INFORMATION
AR12
0x0010000
PERSONAL INFORMATION
AR13
0x0020000
INFORMATION FOR EACH TERMINAL
AR14
0x0030000
AREA FOR VARIOUS KINDS OF DATA
AR15

FIG. 14



00	NETWORK CONNECTION INFORMATION	CERTIFIED ID, PASSWORD···
01	NETWORK ADDITIONAL INFORMATION	GROUP ID, PASSWORD
02	PERSONAL INFORMATION	TELEPHONE DIRECTORY DATA, ADDRESS BOOK DATA, SCHEDULE DATA···
03	INFORMATION FOR EACH TERMINAL	TERMINAL ATTRIBUTES OF TELEVISION, PC, CELLULAR PHONE, ETC. MEDIA ATTRIBUTES OF TEXT, STATIC IMAGE, MOVING IMAGE, VOICE, MUSIC, ETC. FORMAT OF HTML, GIF, JPEG, MPEG, MP3, ATRAC, ETC.
04	ADDITIONAL INFORMATION	

FIG. 15

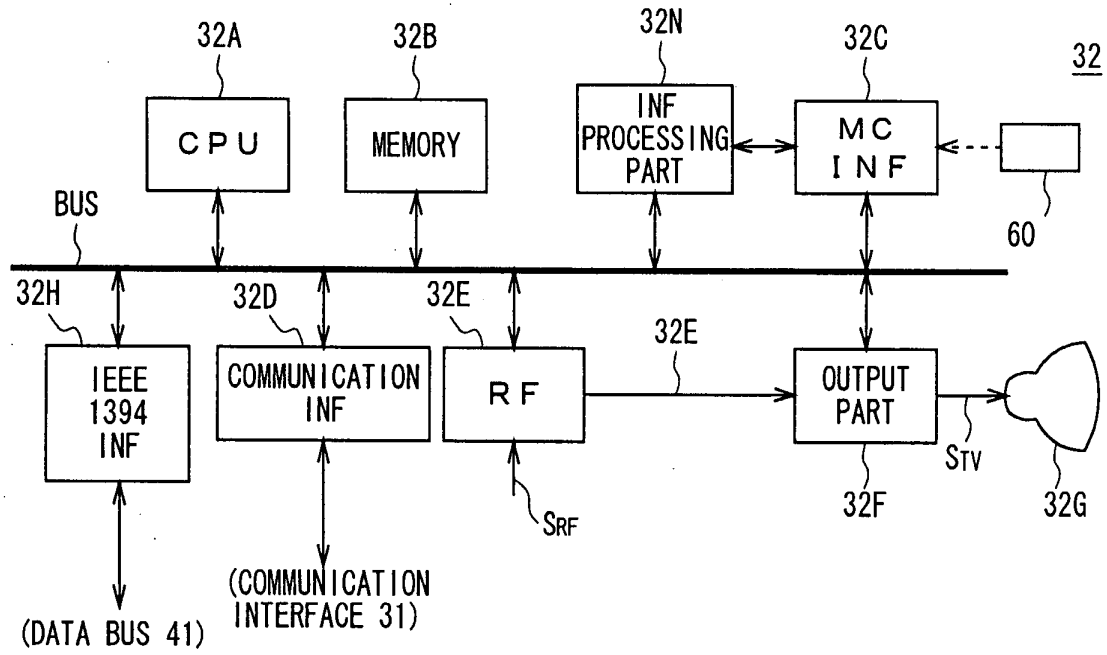


FIG. 16

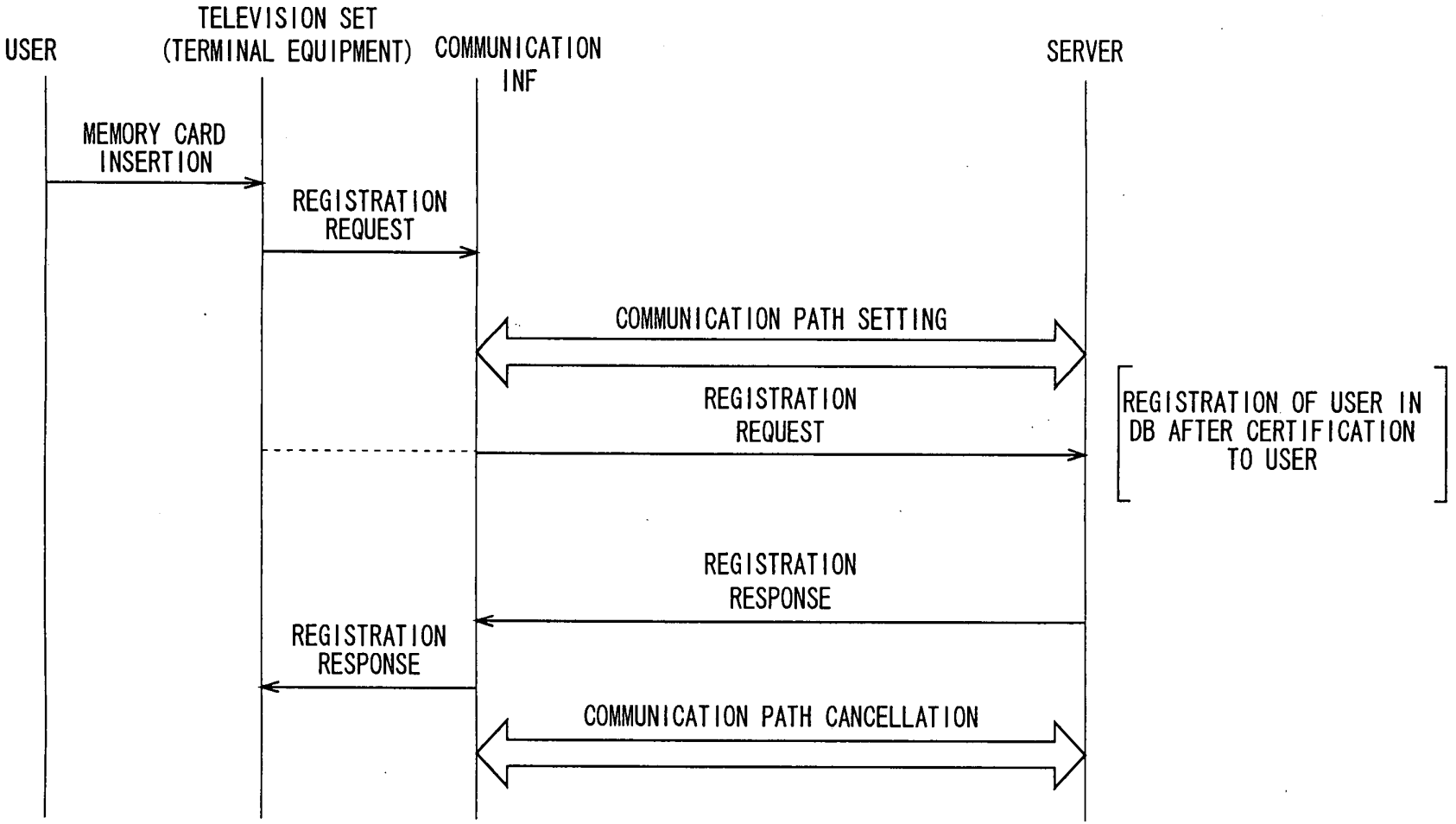

USER
TELEVISION SET
(TERMINAL EQUIPMENT)
COMMUNICATION
INF
SERVER
MEMORY CARD
INSERTION
REGISTRATION
REQUEST
COMMUNICATION PATH SETTING
REGISTRATION
REQUEST
REGISTRATION OF USER IN
DB AFTER CERTIFICATION
TO USER
REGISTRATION
RESPONSE
REGISTRATION
RESPONSE
COMMUNICATION PATH CANCELLATION

FIG. 17

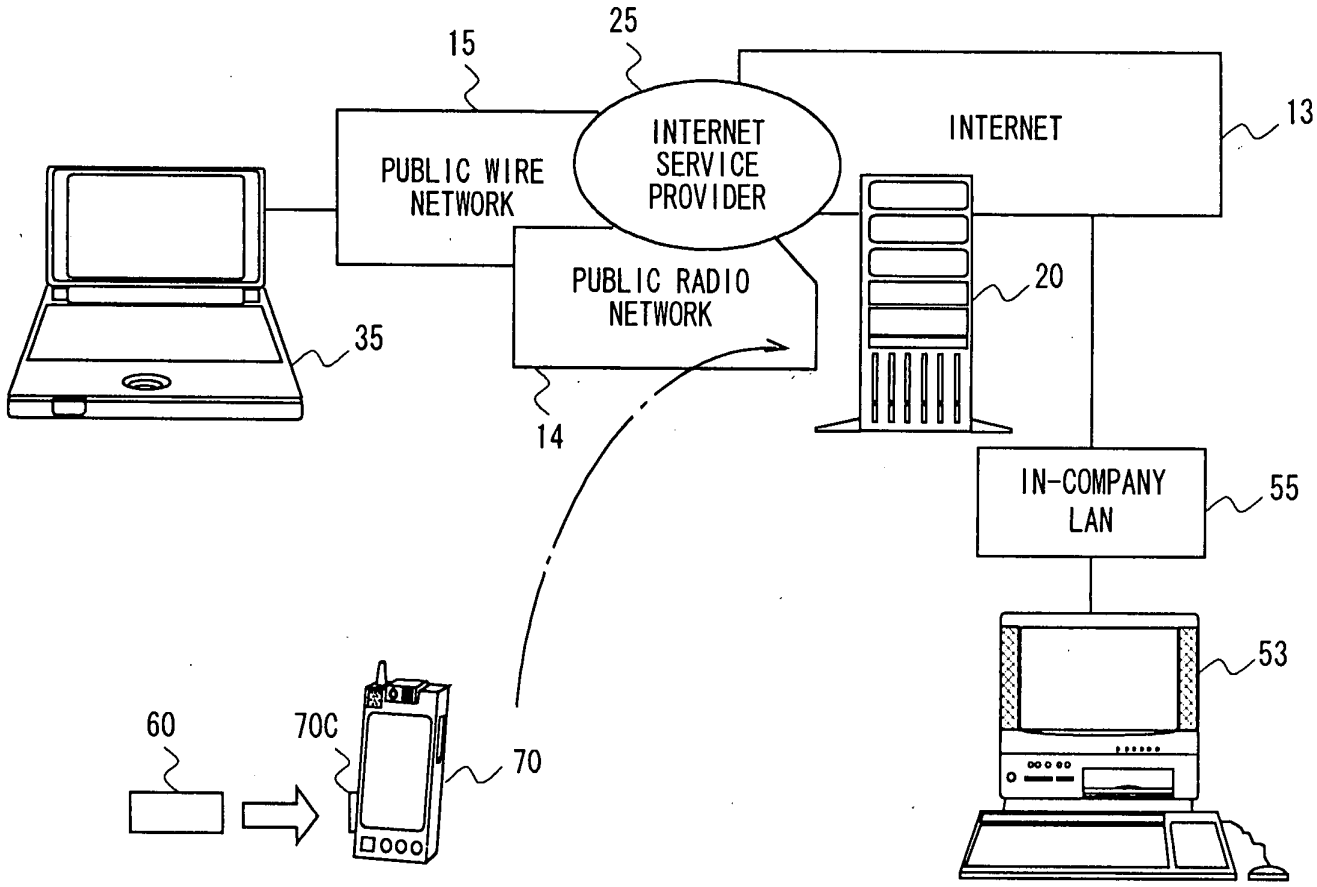

15
25
INTERNET
SERVICE
PROVIDER
INTERNET
13
PUBLIC WIRE
NETWORK
PUBLIC RADIO
NETWORK
20
35
14
IN-COMPANY
LAN
55
53
60
70C
70

FIG. 18

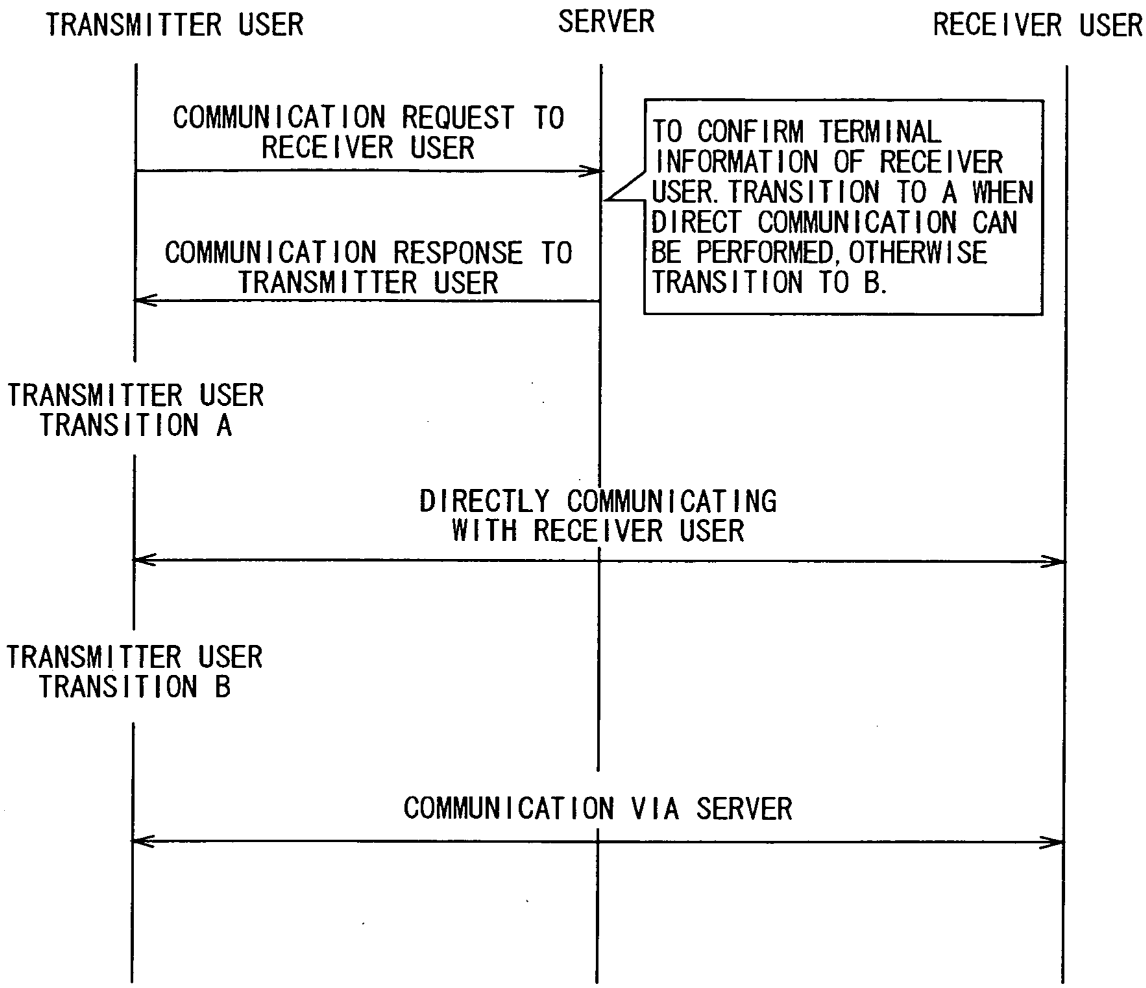

TRANSMITTER USER
SERVER
RECEIVER USER
COMMUNICATION REQUEST TO RECEIVER USER
TO CONFIRM TERMINAL INFORMATION OF RECEIVER USER. TRANSITION TO A WHEN DIRECT COMMUNICATION CAN BE PERFORMED, OTHERWISE TRANSITION TO B.
COMMUNICATION RESPONSE TO TRANSMITTER USER
TRANSMITTER USER TRANSITION A
DIRECTLY COMMUNICATING WITH RECEIVER USER
TRANSMITTER USER TRANSITION B
COMMUNICATION VIA SERVER

FIG. 19